

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q88894

Kazumi SHIKUMA, et al.

Appln. No.: Not Assigned

Confirmation No.: Not Assigned

Group Art Unit: Not Assigned

Filed: July 08, 2005

Examiner: Not Assigned

For: DOHERTY AMPLIFIER

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Patent Application No. 2002-368716, published December 20, 2002; with English Abstract.
2. Japanese Patent Application No. 2002-124840, published April 26, 2002; with English Abstract.
3. Japanese Patent Application No. 2000-513535, published October 10, 2000.
4. Japanese Patent Application No. 10-513631, published December 22, 1998.
5. Japanese Patent Application No. 2002-510927, published April 9, 2002.

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National Stage Entry of PCT/JP003/016183  
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6. Japanese Patent Application No. 2001-518731, published October 16, 2001.
7. Japanese Patent Application No. 07-022852, published January 24, 1995; with English Abstract.
8. W.H. Doherty, "A New High Efficiency Power Amplifier for Modulated Waves", Proceedings of the Institute of Radio Engineers, Vol. 24 No. 9, September 1936, pp. 1163-1182.
9. S. Cripps, "Realization of Doherty Amplifier", RF Power Amplifiers for Wireless Communication, pp. 237-239, Artech House, 1999.
10. S. Cripps, "Advanced Techniques in RF Power Amplifier" page 50, Artech House, 2002.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.


In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of the International Search Report from the Japan Patent Office citing documents 1-3, together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office. The other listed documents are discussed in the Specification.

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The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
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23373

CUSTOMER NUMBER

Date: July 8, 2005

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/541756
Confirmation Number	
Filing Date	July 08, 2005
First Named Inventor	Kazumi SHIKUMA
Art Unit	
Examiner Name	
Attorney Docket Number	Q88894

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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2002-368716	A	12-20-2002	Nippon Hose Kyokai	Abstract
		JP	2002-124840	A	04-26-2002	Mitsubishi Electric Corp.	Abstract
		JP	2000-513535	A	10-10-2000	Motorola Inc.	
		JP	10-513631	A	12-22-1998		
		JP	2002-510927	A	04-09-2002		
		JP	2001-518731	A	10-16-2001		
		JP	07-022852	A	01-24-1995	Raytheon Co.	Abstract

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		W.H. Doherty, "A New High Efficiency Power Amplifier for Modulated Waves", Proceedings of the Institute of Radio Engineers, Vol. 24 No. 9, September 1936, pp. 1163-1182.	
		S. Cripps, "Realization of Doherty Amplifier", RF Power Amplifiers for Wireless Communication, pp. 237-239, Artech House, 1999.	
		S. Cripps, "Advanced Techniques in RF Power Amplifier" page 50, Artech House, 2002.	
Examiner Signature		Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.